

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



A275.2  
Ex828N

UNITED STATES  
DEPARTMENT OF AGRICULTURE  
LIBRARY



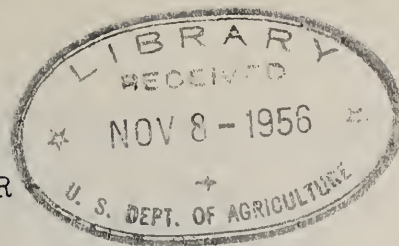
BOOK NUMBER

311695

A275.2  
Ex828N



NATIONAL 4-H CLUB CAMP TOUR  
TO  
THE AGRICULTURAL RESEARCH CENTER  
Beltsville, Maryland  
June 16, 1955



All delegates will have an opportunity to select one specialized interest tour. They are outlined below. Delegates will obtain a ticket for the tour of his or her choice from the headquarters desk in the foyer of the Departmental Auditorium.

The maximum number for any one tour is 40 persons. The tickets will be issued in the order of requests. You will present your tickets to the Tour Leader when you board the buses. For example, for Tour A you will ride on Bus A, etc.

Following the specialized tour, all delegates will have a general tour of the Research Center grounds.

The specialized tours, from 3 to 4:30 p.m. are:

Tour A - Fruits and Vegetables

The accelerated trend toward prepackaging various types of packages and films demonstrated; tour of cold storage room with controlled temperature and humidity; and transportation equipment in common use will be exhibited and discussed. Also, a demonstration and discussion on Chinese chestnuts and strawberries will be included in this tour.

Tour B - Dairy Cattle and Pastures

The work of the dairy unit includes studies in breeding, feeding and management to improve the milk producing ability of dairy animals; determination of their nutritional requirements for normal growth, lactation and reproduction, and the feeds that will supply the needed nutrients most efficiently, as well as a study of the physiological factors affecting the general usefulness of dairy cattle.

Tour C - Swine and Beef Cattle

Work is done to encourage farmers to produce the kind and quality of hogs desired by the consumer which are those that have a higher percentage of lean meat with less fat than formerly. A recurrent reciprocal selection program has been initiated for improvement of performance of swine with respect to economically important characteristics. Selection is made for high and low fatness of swine.

To supply livestock men with information on the effects of growth interruptions on beef cattle during the winter or during and following drought seasons, investigations using monozygotic twin beef cattle have been in progress during the past five years at Beltsville. Currently the effects of protein as well as caloric deprivation and protein requirements for maintenance and growth are under investigation.

Tour D - Meats and Swine

The role of breeding, feeding and management in the improvement of quality and quantity of meats is investigated. Studies are made to improve and extend the preservation and utilization of meat and meat by-products. You will observe an example of a potential 4-H demonstration team analysis of comparative "cut out" values for an over-fat or U.S. No. 3 hog and a meaty or U.S. No. 1 hog. Demonstration of time and materials required cut side of pork into five wholesale cuts; pricing these cuts and trimmings; putting comparative values on the blackboard and computing per hundred-weight live hog value for each of the two grades.

Swine (same as Tour C)

Tour E - Meats and Home Economics

Meats (same as Tour D)

Home Economics - At this stop 4-H girls will have an armchair trip through the laboratories of Human Nutrition and Home Economics where they will see scientists conducting research concerned with canning, cooking, nutrition, clothing design and care, automatic washing machines, freezers, house planning, and meal planning....all this via a color-sound movie called RESEARCH FOR BETTER LIVING. Then they will be shown the famous step-saving U-shaped kitchen and have a chance personally to open some of its cupboards and drawers and revolving shelves. After that the visitors may check the exhibit of the 50 utensils and tools a bride should include first in her kitchen because research has revealed that they are the most frequently used food preparation items.

Tour F - Home Economics and Poultry

Home Economics (same as Tour E)

Poultry - A shell color machine is on demonstration as an example of developing mechanical equipment for determining egg quality. Other machines are in various stages of development. Different breeds of poultry are being used in comparison of old (1930-1944) and new (1954) broiler diets. Progress in both nutrition and breeding are shown to be responsible for today's highly efficient broiler industry. The Beltsville Small White turkey has been developed to meet the need for a small turkey for modern families. At present this turkey is the backbone of the turkey fryer-roaster industry. The story of the Beltsville Small White is an example of how research knowledge can be applied to solve the specific problem.

Tour groups will move to second subject as above at 3:45 p.m.

Reassemble for general tour.

4:45-5:30 p.m. - General Tour.





